

Surface layer metal diagnosis of carburized parts

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Abstract

The connection is made between the thickness troostite strip, hardened surface microhardness and durability of carburized parts. The technique of controlling metal properties of steel products carburized layer by the new criteria is given. The possibility of carburized parts service life predicting upon the structure and surface microhardness of hardened products is shown. © IDOSI Publications, 2014.

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Keywords

Carburized parts, Durability, Hardened layer, Microhardness, Quality control, Steel, Troostite strip